

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

(37 CFR 1.98(b))

APPLICANT

MARCUS A. HORWITZ

FILING DATE

November 23, 1993

GROUP

1806

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROP.
KAC	AA	3	8	8	8	8	3	7	06/10/75	TSUMITA ET AL.	260	112.5	06/28/
	AB	3	9	4	3	1	1	9	03/09/76	TSUMITA ET AL.	260	112.5R	03/28/
	AC	4	1	2	3	4	2	7	10/31/78	DANIEL	260	112B	07/27/
	AD	4	4	6	0	5	0	3	07/17/84	SAVRDA ET AL.	260	112.5R	03/15/
	AE	4	7	2	4	1	4	4	02/09/88	ROOK ET AL.	424	88	08/29/
	AF	4	7	7	7	1	3	0	10/11/88	MAES	435	7	12/05/
	AG	4	9	0	6	7	4	2	03/06/90	YOUNG ET AL.	536	27	07/31/
	AH	4	9	5	2	3	9	5	08/28/90	SHINNICK ET AL.	424	92	02/26/
	AI	4	9	6	5	1	9	2	10/23/90	MAES	435	7	04/29/
	AJ	4	9	7	6	9	5	8	12/11/90	SHINNICK ET AL.	424	92	02/24/
	AK	5	1	0	8	7	4	5	04/28/92	HORWITZ	424	92	08/16/

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER							PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLAT	
KAC	AL	WO	85	0	3	6	3	9	29 AUG 85	PCT	A61K	39/04	YES	
	AM	WO	88	0	2	0	2	7	24 MAR 88	PCT	C12N	15/00	X	
	AN	WO	88	0	5	8	2	3	11 AUG 88	PCT	C12N	15/00	X	
	AO	WO	88	0	6	6	2	6	07 SEP 88	PCT	C12N	15/00	X	
	AP	WO	89	0	5	8	2	5	29 JUN 89	PCT	C07K	13/00	X	

OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

KAC	AQ	E. Ribí et al., "Induction of Resistance to Tuberculosis in Mice. . . Unrelated Materials," 1982, 345-356, Zbl.Bakt.Hyg., I.
	AR	E. Freerksen, "Kommentare Tuberkulose-Schutzimpfung," 1982, 1564-1569, Dtsch.med.Wschr.
	AS	H.D.Eberhard, "Leser-Zuschriften - Tuberkulose-Schutzimpfung," 1982, 1821-1822, Dtsch.med.Wschr.

EXAMINER

Karen A. Ganello

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4/8/03

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KAL	BA	5	1	5	4	9	2	3	10/13/92	VAN EDEN ET AL.	434	88	12/21
	BB	5	1	6	9	9	4	0	12/08/92	PATARROYO	536	27	02/11
	BC	5	1	7	1	8	3	9	12/15/92	PATARROYO	530	326	12/15
	BD	5	2	2	5	3	2	4	07/06/93	McFADDEN ET AL.	435	6	04/14
	BE	5	2	5	4	4	5	9	10/19/93	PATARROYO	435	6	09/04
	BF	5	2	6	8	1	7	0	12/07/93	VAN EDEN ET AL.	424	92	09/17
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KAL	BL	WO	89	1	2	4	5	5	28 DEC 89	PCT	A61K	37/02	X
	BM	WO	90	0	0	5	9	4	25 JAN 90	PCT	C12N	1/21	X
	BN	WO	90	0	2	5	6	4	22 MAR 90	PCT	A61K	39/005	X
	BO	WO	90	1	5	8	7	3	27 DEC 90	PCT	C12N	15/74	X
	BP	WO	91	1	4	4	4	8	03 OCT 91	PCT	A61K	39/04	X

OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

KAL	BQ	H. Hahn, "Antibacterial Defence Mechanisms," 1983, S112-S121, <i>Infection II (1983) Suppl.2</i>
KAL	BR	I.M. Orme & F.M. Collins, "Infection with <i>Mycobacterium kansasii</i> and efficacy of vaccination against tuberculosis," 1983, 581-586, <i>Immunology</i>
KAL	BS	P.H. Lagrange et al., "Immunological Mechanisms Controlling Mycobacterial Infections," 1983, 163-172, <i>Bull.europ.Physiopath.resp.</i>

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FORM PTO-1449
(Modified)U.S. DEPARTMENT OF COMMERCE
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ATTY. DOCKET

98-080

SERIAL NO.

08/156,358

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	CK						

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KAL	CL	WO 92 0 1 7 8 3	06 FEB 92	PCT			YES
	CM	WO 92 0 1 7 9 6	06 FEB 92	PCT	C12N	15/00	X
	CN	WO 92 0 4 4 6 2	19 MAR 92	PCT	C12N	15/74	X
	CO	0 4 9 9 0 0 3	19 AUG 92	EUROPEAN PATENT OFFICE	C12P	21/02	X
	CP	WO 92 1 6 6 2 8	01 OCT 92	PCT	C12N	15/31	X

OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

KAL	CQ	R.A. Young et al., "Dissection of <i>Mycobacterium tuberculosis</i> antigens using recombinant DNA," May 1985, 82:2583-2587, <i>Proc.Natl.Acad.Sci. USA</i>
KAL	CR	B.R. Bloom et al., "Genes for the protein antigens of the tuberculosis and leprosy bacilli," 1985, 5:839-845, <i>Science Reports</i>
KAL	CS	S.H.E.Kaufmann, "T Cell Clones and their Products: . . . Infections," 1985, S177-S182, <i>Infection 13 (1985) Suppl.2</i>

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		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLA
							YES
KAL	DL	WO 92 2 1 3 7 6	10 DEC 92	PCT	A61K	39/12	X
	DM	WO 92 2 1 6 9 7	10 DEC 92	PCT	C07K	7/00	X
	DN	WO 92 2 1 7 5 8	10 DEC 92	PCT	C12N	15/31	X ^o
	DO	O 5 1 9 2 1 8	23 DEC 92	EUROPEAN PATENT OFFICE	C12N	15/31	
	DP	WO 92 2 2 3 2 6	23 DEC 92	PCT	A61K	39/04	X

OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

		ABSTRACT
KAL	DQ	E. Krambovitis, "Detection of antibodies to <i>Mycobacterium tuberculosis</i> plasma . . . assay," 1986, 21:257-264, <i>Med. Microbiol.</i>
	DR	D. Young et al., "Immunological Activity. . . <i>Mycobacterium tuberculosis</i> , Oct. 1986, 177-183, <i>Infection and Immunity</i> , Vol. 54, No. 1
	DS	F. Emmrich et al., "A Recombinant 64 Kilodalton Protein. . . <i>Mycobacteria</i> Antigens," Apr. 1986, 163:1024-1029, <i>J. Exp. Med.</i>
	DT	A.S. Mustafa et al. "Characteristics of human T-cell clones. . . patients 1986, 57:123-130, <i>Sympos. on the IMMUNOLOGY OF LEPROSY</i> , <i>Lepr. rev. Suppl.</i>

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KAC	EL	WO 93 0 7 8 9 7	29 APR 93	PCT	A61K	39/04	X
	EM	WO 93 0 8 2 8 4	29 APR 93	PCT	C12N	15/31	X ^o
	EN	WO 93 1 4 1 1 8	22 JUL 93	PCT	C07K	7/06	X
	EO	WO 93 1 4 7 8 9	05 AUG 93	PCT	A61K	45/05	X
	EP	WO 93 1 7 1 1 3	02 SEP 93	PCT	C12N	15/55	X ^o

OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

KAC	EQ	P.E.M. Fine, "The relationship between delayed type hypersensitivity . . . mycobacterial vaccines in man," 1986, 57:275-283, Lepr.Rev., Suppl.
KAC	ER	W.J. Britton et al., "Immunoreactivity of a 70 kD Protein . . . Chromatography," Sep. 1986, 691-708, J.Exp.Medicine
KAC	ES	Ian M. Orme, "The Kinetics of Emergence and Loss. . . Mycobacterium Tuber culosis," 01/01/87, 138:293-298, The Journal of Immunology

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FA						
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KAC	FL	WO 93 1 9 0 9 3	30 SEP 93	PCT			YES
KAC	FM	WO 94 0 2 5 0 8	03 FEB 94	PCT	C07K	15/04	X ^a
	FN				C07K	7/06	X
	FO						
	FP						

OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

KAC	FE	R.F. Breiman & M.A. Horwitz, "Guinea Pigs Sublethally Infected. . . Challenge," Mar. 1987, 164:799-811, J. Exp. Med.
	FR	F.M. LaForce, "Immunizations, Immunoprophylaxis. . . Infections," 05/08/8 257(18):2464-2470, JAMA
	FS	A. Worsaae et al., "Allergenic and Blastogenic Reactivity. . . Guinea Pig" Dec. 1987, 55(12):2922-2927, Infection and Immunity

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	GL						
	GM						
	GN						
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	GP						

OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

KAL	GQ	P.E.M. Fine, "BCG vaccination against tuberculosis and leprosy," 1988, 44(3):691-703, British Medical Bulletin
KAG	GR	M.A. Horwitz, "Intracellular parasitism," 1988, 1:41-46, Current Opinion in Immunology
KAS	GS	G.W. Comstock, "Identification of an Effective Vaccine Against Tuberculosis," 1988, 138:479-480, Am Rev Respir Dis

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	HN						
	HO						
	HP						

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KAL	HQ	C. Abou-Zeid et al., "The Secreted Antigens of <i>Mycobacterium tuberculosis</i> . . . Available Antibodies," 1988, 134:531-538, <i>J. of General Microbiology</i>
KAL	HR	A.J. Radford et al., "Cloning of a Species-Specific Antigen of <i>Mycobacterium bovis</i> ," Apr. 1988, 56(4):921-925, <i>Infection and Immunity</i>
KAL	HS	F.M. Collins et al., "Biological Activity of Protein Antigens. . . Filtrate," May 1988, 56(5):1260-1266, <i>Infection and Immunity</i>

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	IO						
	IP						

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KAC	IQ	I.M. Orme, "Characteristics and Specificity of Acquired Immunologic Memori
		to <i>M. tuberculosis</i> Infection," 05/15/88, 140(10):3589-93, <i>J. Immunol</i> gy
↓	IR	D. Young et al., "Stress proteins are immune targets in leprosy and
		tuberculosis," June 1988, 85:4267-4270, <i>Proc.Natl.Acad.Sci.</i>
↓	IS	K. Matsuo et al., "Cloning and Expression of the <i>Mycobacterium bovis</i> . . .
		Antigen," Sept. 1988, 170(9):3847-3854, <i>Journal of Bacteriology</i>

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	JL						
	JM						
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	JO						
	JP						

OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

KAL ↓	JQ	M. Turner et al., "Humoral Immune Response in Human Tuberculosis: . . . Bacillus Calmette-Guérin," Sept. 1988, 26:1714-1719, J. of Clin. Microbiol.
	JR	H.S. Rumschlag et al., "Serological Responses. . . Mycobacterium tuberculosis," Oct. 1988, 26(10):2200-2202, J. of Clin. Microbio.
	JS	A.J. Crowle, "Immunization against Tuberculosis: What Kind of Vaccine?" Nov. 1988, 56(11):2769-2773, Infection and Immunity

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	KL					YES
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OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

KAL	KQ	I.M. Orme, "Induction of Nonspecific Acquired Resistance. . . Vaccines," Dec. 1988, 56(12):3310-3312, <i>Infection and Immunity</i>
	KR	M.E. Munk et al., "T cell responses of normal individuals. . . <i>Mycobacteri</i> <i>tuberculosis</i> ," 1988, 18:1835-1838, <i>Eur.J.Immunol.</i>
	KS	A. Rees et al., "Specificity of proliferative response. . . mycobacterial antigens," 1988, 18:1881-1887, <i>Eur.J.Immunol.</i>

EXAMINER

Harold A. Gault

DATE CONSIDERED:

4/8/03

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FORM PTO-1449
(Modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

98-080

SERIAL NO.

08/156,358

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

APPLICANT

MARCUS A. HORWITZ

FILING DATE

November 23, 1993

GROUP

1806

(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING IF APPROX
LA						
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLA YES
LL						
LM						
LN						
LO						
LP						

OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

KAC	LQ	V. Bhardwaj & M.J. Colston, "The processing and presentation of mycobacterial. . . monocytes," 1988, 18:691-696, Eur.J.Immunol.
↓	LR	J.M. Grange, "Molecular Biology: New Hopes and Challenges," 1988, 69:1-4 Tubercle
↓	LS	K.M. Citron, "Control and prevention of tuberculosis in Britain," 1988, 44(3):704-716, British Medical Bulletin

EXAMINER

Karen A. Canella

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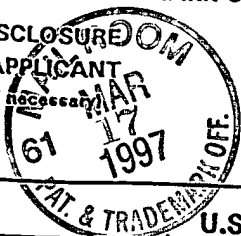
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U.S. PATENT DOCUMENTS

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	ML						
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OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

KAC	MQ	"Use of BCG Vaccines . . . : A Joint Statement by the ACIP and the Adv'y Comm. for Elim. of Tuberculosis," 11/4/88, 37(43):663-675, MMWR
KAL	MR	C. Abou-zeid et al., "Characterization of Fibronectin. . . Mycobacterium bovis BCG," Dec. 1988, 56(12):3046-3051, Infection and Immunity
KAL	MS	R.J. Garsia et al., "Homology of the 70-Kilodalton Antigens. . . Eucaryotes," Jan. 1989, 57(1):204-212, Infection and Immunity

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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

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OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

KAC	NQ	A. Mehler & D.B. Young, "Biochemical and antigenic. . . heat-shock protein family," 1989, 3(2):125-130, <i>Molecular Microbiology</i>
KAC	NR	S.J. Blander & M.A. Horwitz, "Vaccination with the Major Secretory Protein . . . Legionnaires' Disease," Mar. 1989, 169:691-705, <i>J. Exp. Med.</i>
KAC	NS	W.S. Jordan, Jr., "Impediments to the Development of Additional Vaccines . . . Next Decade," May-June 1989, II(Supp.3):S603-612, <i>Rev. Infec. Disease</i>

EXAMINER

Karen G. Gancilla

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OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

KAL	OQ	M. Borremans et al., "Cloning, Sequence Determination. . .Mycobacterium tuberculosis," Oct. 1989, 57(10):3123-3130, Infection and Immunity
KAL	OR	E. Adams et al., "T cell reactivity. . .household contacts," 1990, 80:206-212, Clin. exp. Immunol.
KAL	OS	H.G. Wiker et al., "Evidence for Three Separate Genes. . .Antigen 85 Complex," Jan. 1990, 58(1):272-274, Infection and Immunity

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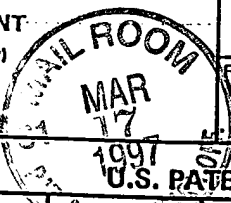
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLA YES
PL						
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OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

KAL	PQ	L. De Wit, et al., "Nucleotide sequence. . .Mycobacterium bovis BCG," 1990, 18(13):3995, Nucleic Acids Research
KAL	PR	H.G. Wiker et al., "Localization index for distinction. . .Mycobacterium tuberculosis," 1991, 137:875-884, Journal of General Microbiology
KAL	PS	D.V. Havlir et al., "Human Immune Response to Mycobacterium tuberculosis Antigens," Feb. 1991, 59(2):665-670, Infection and Immunity

EXAMINER

H. A. G. G. G.

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MARCUS A. HORWITZ

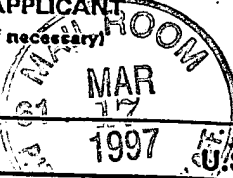
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

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	QL						
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	QO						
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OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

KAC	QQ	B.J. Luft et al., "Immunologic and Structural Characterization. . .Borgerdorferi," 04/15/91, 146(8):2776-2782, Journal of Immunology
KAC	QR	P. Launois et al., "T cell response. . .in leprosy patients," 1991, 86:286-290, Clin. exp. Immunol.
KAC	QS	K.R. McKenzie et al., "Sequence and Immunogenicity. . .Mycobacterium leprae," 07/01/91, 147(1):312-319, Journal of Immunology

EXAMINER

Karen A. Gamble

DATE CONSIDERED:

4/8/83

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

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RO						
RP						

OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

KAL	RQ	C. Abou-zeid et al., "Genetic and Immunological Analysis. . .Fibronectin-Binding Proteins," Aug. 1991, 59(8):2712-2718, Infection and Immunity
KAL	RR	L. de Menconça Lima, "Nucleotide sequence of the gene coding. . .Mycobacterium leprae," 1991, 19(20):5789, Nucleic Acids Research
KAL	RS	J. Content et al., "The Genes Coding for the Antigen 85 Complexes. . .M.tuberculosis," Sept. 1991, 59(9):3205-3212, Infection and Immunity

EXAMINER

Harmon G. Gancila

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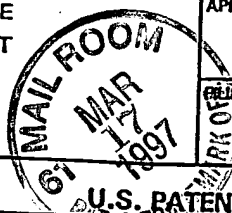
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

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OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

KAL	SQ	J.E.R. Thole et al., "Molecular and immunological analysis. . . Mycobacterium leprae," 1992, 6(2):153-163, Molecular Microbiology
KAL	SR	H.P. Godfrey et al., "Modulation of Expression . . . Fibronectin-Binding Proteins," June 1992, 60(6):2522-2528, Infection and Immunity
KAL	SS	M.C.V. Pessolani & P.J. Brennan, "Mycobacterium leprae Produces. . . Antigen 85 Complex," Nov. 1992, 60(11):4452-4459, Infection and Immunity

EXAMINER

Karen A. Camella

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U.S. PATENT DOCUMENTS

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	TA						
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		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION
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	TO						
	TP						

OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

KAL	TQ	① A. Rambukkana et al., "Identification and Characterization of Epitopes. . . Mycobacterium leprae," Nov. 1992, 60(11):4517-4527, Infection and Immunity.
KAL	TR	P.G. Pal & M.A. Horwitz; "Immunization with Extracellular Proteins. . . Pu. monary Tuberculosis," Nov. 1992, 60(11):4781-4792, Infection and Immunity.
KAL	TS	A. Rambukkana et al., "Heterogeneity of Monoclonal Antibody-React. Epitope . . . Cell Wall Surface," Dec. 1992, 60(12):5172-5181, Infection and Immunity.

EXAMINER

Harin A. Gault

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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLA YES
VL					
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OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

KAL	VQ	P. Launois et al., "IL-6 Production in Response to Purified Mycobacterial Heat-Shock Proteins. . . Leprosy," 1993, 148:283-290, Cellular Immunology
KAL	VR	A. Rambukkana et al., "The Mycobacterial Secreted Antigen 85. . . Armadill Tissues," May 1993, 61(5):1835-1845, Infection and Immunity
KAL	VS	T.F. Rinke de Wit, "The Mycobacterium leprae Antigen 85. . . MPT51 Proteins," Sep. 1993, 61(9):3642-3647, Infection and Immunity

EXAMINER

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KAL	UQ	H.G. Wiker & M. Harboe, "The Antigen 85 Complex: a Major Secretion Product of <i>M. tuberculosis</i> ," Dec. 1992, 56(4):648-661, <i>Microbiological Reviews</i>
KAL	UR	A. Drowart et al., "Isoelectrophoretic Characterization of Protein Antigen . . . Antigen 85 Complex," 1992, 36:697-702, <i>Scand. J. Immunol.</i>
KAL	US	S.H.E. Kaufmann & D.B. Young, "Vaccination against Tuberculosis and Leprosy," 1992, 184:208-229, <i>Immunobiol.</i>

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WL					
WM					
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WO					
WP					

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KAC	WQ	P. Peake et al., "Mechanism of Interaction of the 85B Secreted Protein. . . Fibronectin," Nov. 1993, 61(11):4828-4834, <i>Infection and Immunity</i>
KAC	WR	M.A. Horwitz, "The Immunobiology of <i>Legionella Pneumophila</i> ," Chapter 11, 1989, 141-156, <i>Intracellular Parasitism</i>
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** The date should include at least the month and year for a foreign application. Notice of April 20, 1992 (1138 O.G. 37-41, 38).

*** "The place of publication" refers to the name of the journal, magazine or other publication in which the information being submitted was published. Notice of April 20, 1992 (1138 O.G. 37-41, 38).

FORM PTO-1449 (MODIFIED)

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION
DISCLOSURE STATEMENT

(USE SEVERAL SHEETS IF NECESSARY)

ATTY. DOCKET NO.
098-080SERIAL NO.
08/156/358

APPLICANT

MARCUS A. HORWITZ

FILING DATE
11/23/93GROUP
1802

REFERENCE DESIGNATION

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OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

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| COPY | 1. | Roche, Paul W., et al. "T-Cell Determinants and Antibody Binding Sites on the Major Mycobacterial Secretory Protein MPB59 of <i>Mycobacterium bovis</i> ." <i>Infection and Immunity</i> 62 (December 1994) 5319-26. |
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| | 4. | Huygen, Kris, et al. "Immunogenicity of a Tuberculosis DNA Vaccine Containing Genes Encoding the Components of the Secreted Antigen 85 Complex." <i>Journal of Cellular Biochemistry - Molecular Mechanisms in Tuberculosis</i> from the Keystone Symposia on Molecular & Cellular Biology, Supplement 19B, 1995 (February 5 - March 15, 1995) Abstract No. B3-408. |
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MARCUS A. HORWITZ

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1802

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- b) Grosset, Jacques H. "Present Status of Chemotherapy for Tuberculosis." S347-52.
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- q) Ellner, Jerrold J. and Robert S. Wallis. "Immunologic Aspects of Mycobacterial Infections." S455-9.
- r) Bloom, Barry R. "New Approaches to Vaccine Development." S460-6.
- s) Sensi, Piero. "Approaches to the Development of New Antituberculosis Drugs." S467-70.
- t) Daniel, Thomas M. "Rapid Diagnosis of Tuberculosis: Laboratory Techniques Applicable in Developing Countries." S471-8.
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Harmon A. Gancella 4/8/03

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449 (MODIFIED)		ATTY. DOCKET NO. 098-080	SERIAL NO. 08/156,358
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT MARCUS A. HORWITZ	
		FILING DATE 11/23/93	GROUP 1802
REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS	
OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)			
KAC	24.	Horwitz, Marcus A. "Cell-mediated Immunity in Legionnaires' Disease." <i>Journal of Clinical Investigation</i> 71 (June 1983) 1686-97.	
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↓	28.	Blander, Steven J., et al. "An Immunoprotective Molecule, the Major Secretory Protein of <i>Legionella pneumophila</i> , Is Not a Virulence Factor in a Guinea Pig Model of Legionnaires' Disease." <i>Journal of Clinical Investigation</i> 86 (September 1990) 817-24.	
EXAMINER	KAC	DATE CONSIDERED	April 4, 2003 4/8/03

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449 (MODIFIED)		ATTY. DOCKET NO. 115-066	SERIAL NO. 08/568,357
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT MARCUS A. HORWITZ	
		FILING DATE 12/06/95	GROUP
REFERENCE DESIGNATION			
U.S. PATENT DOCUMENTS			
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EXAMINER	KAC	DATE CONSIDERED	Jaren A. Gamelle 4/8/03

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449 (MODIFIED)

**LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION
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(USE SEVERAL SHEETS IF NECESSARY)

ATTY. DOCKET NO.
115-066

SERIAL NO.
08/568,357

APPLICANT

MARCUS A. HORWITZ

FILING DATE
12/06/95

GROUP

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

OTHER ART (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

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17. Matsuo, K., et al. "Cloning and Expression of the *Mycobacterium bovis* BCG Gene for Extracellular α Antigen." *Journal of Bacteriology* 170 (1988) 3847-54.

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Karen A. Canella

4/8/0.3

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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FORM PTO-1449
(Rev. 2-32)

**U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE**

ATTY. DOCKET NO. 112-272

SERIAL NO. 08/551,149

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use several sheets if necessary)

APPLICANT.

MARCUS A. HORWITZ

FILING DATE October 31, 1995	GROUP
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS															
		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
		YES	NO												
	AL														
	AM														
	AN														
	AO														
	AP														

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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KAL	AR		Roche, Paul W., et al., "T-Cell Determinants and Antibody Binding Sites on the Major Mycobacterial Secretory Protein MPB59 of <i>Mycobacterium bovis</i> ", <i>Infection and Immunity</i> , December 1994, Vol. 62, No. 12, Pages 5319-5326
KAL	AS		Journal of Cellular Biochemistry, "Molecular Mechanisms in Tuberculosis", Abstract Supplement 19B, 1995, February 5-March 15, 1995, page 90
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GROUP	1802
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APPLICANT

MARCUS A. HORWITZ

FILING DATE

November 23, 1993

GROUP

1802

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

[illegible]

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
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		Kiyotani, K., et al., CHEMICAL ABSTRACTS, Vol. 100, No. 23, June 4, 1984, p. 252, col. 1, Abstract No. 187918d
KAL	BS	"Affinity Purification of Beta Antigen of <i>Mycobacterium Tuberculosis</i> by Using Specific Monoclonal Antibody and Its Application for the Diagnosis of Tuberculosis Meningitis by Elisa," Myung, Seok J., et al., CHEMICAL ABSTRACTS,
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4/8/03

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